Mathematics, Grade 3

A1A3
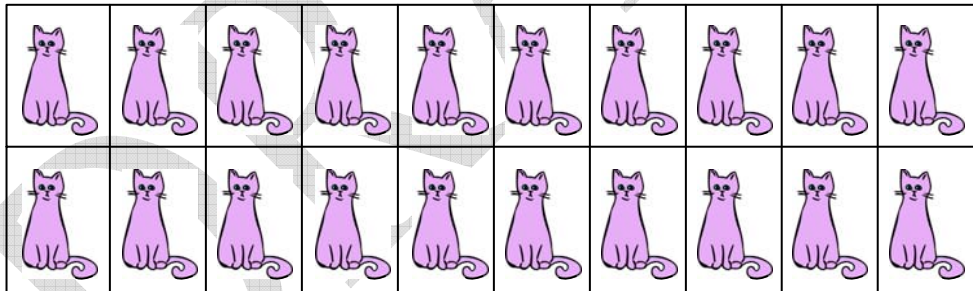
Which number would go next in this pattern?

1, 8, 1, 2, 8, 2, 3, 8, 3, _____

A.   2

B.   3

C.   4

D.   5

A2A3

Look at the rows of cats below. Which number sentence matches the total number of cats in the rows?

A.   4 × 10 = 40

B.   1 × 20 = 20

C.   2 × 10 = 20

D.   2 × 11 = 22

1

A1B3

What is the missing number in the table?

In Number	3	5	7	9
Out Number	6	8	10	

A. 9

B. 10

C. 11

D. 12

G3C3

Which two shapes have four lines of symmetry?
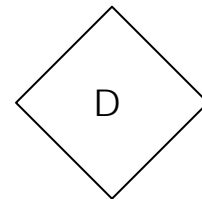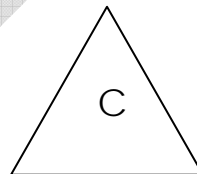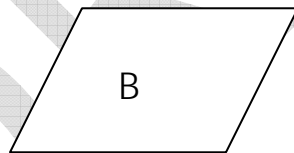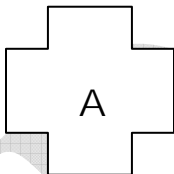
A. A and B
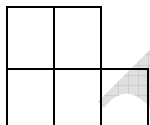
B. B and C

C. C and D

D. A and D

A4A3

Last week, Bill's plant was 3 inches tall. This week it is 7 inches tall. Which describes the growth of Bill's plant?

    A.   Bill's plant has grown 3 inches since last week.

    B.   Bill's plant has grown 4 inches since last week.

    C.   Bill's plant has grown 7 inches since last week.
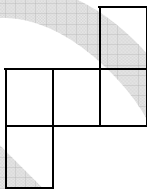
    D.   Bill's plant has grown 10 inches since last week.
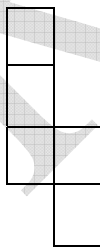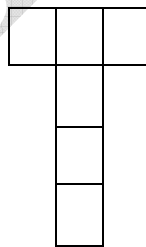
G3A3

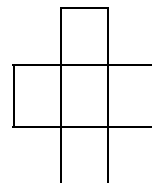Which two shapes are congruent?
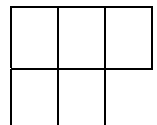
Shape A   Shape B   Shape C   Shape D   Shape E   Shape F
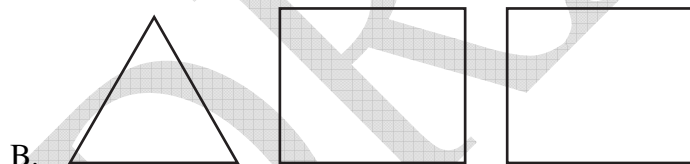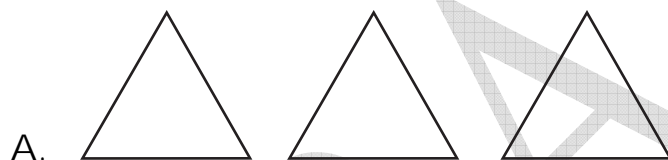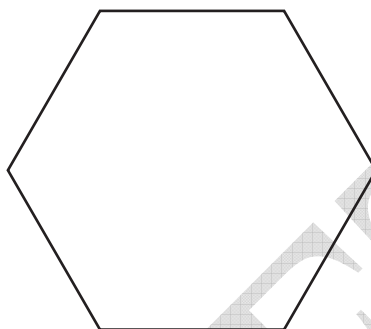
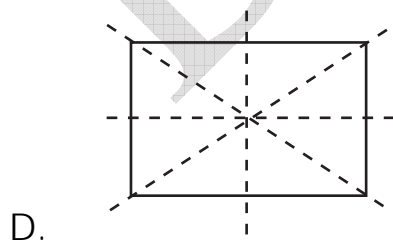   A. C and D

    B. B and C

    C. A and F

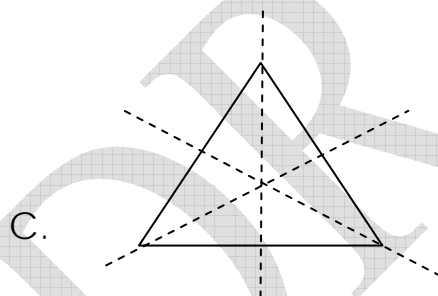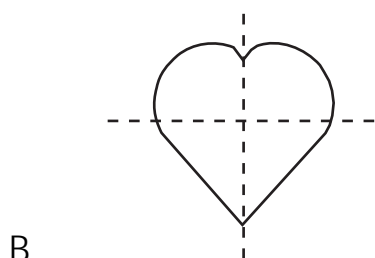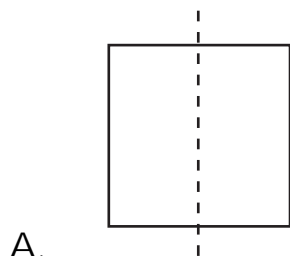   D. D and F

G1C3

Which group of shapes, when put together without overlapping, will make this shape?

A.

B.

C.

D.

G3C3

Choose the shape that only shows **all** of the lines of symmetry.

A.

B.

C.

D.

A2A3

Ten students were on the playground. All but six of them were on the swings. Which number sentence shows how many students were on the swings?

      A.   10 + 6 = 16

      B.   16 – 6 = 10
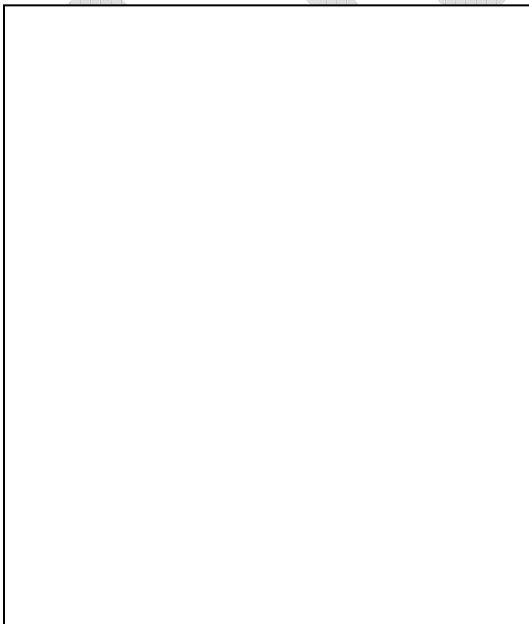
      C.   10 – 6 = 4
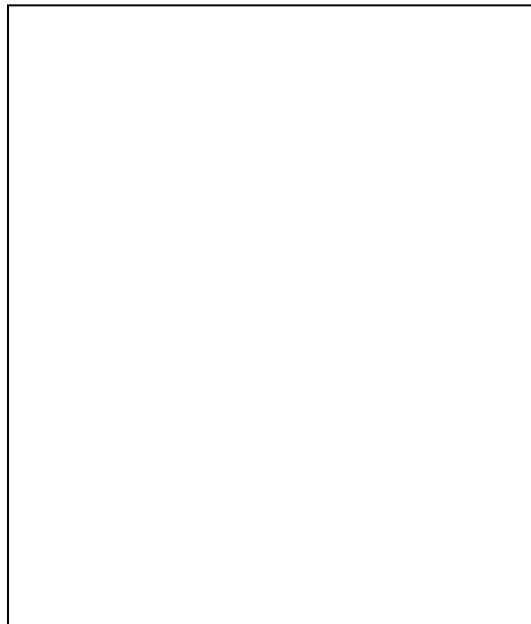
      D.   10 + 4 = 14

A3A3

Bob and Beth each have the same kind of candy. They are trying to decide who has the most candy. Bob has arranged his pieces into 3 groups of 5 pieces each. Beth has arranged her candy into 5 groups of 3 pieces each.

Draw a picture to show each student's arrangement.

Bob's candy arrangement   Beth's candy arrangement

Do Bob and Beth have the same or a different amount of candy?

_____

A3A3

The third grade students will go on boat rides. Each boat can carry up to 3 students. Complete the chart putting 3 students in each boat.

Number of Boats	1	2	3	4	5	6	7
Number of Students	3	6		12			

If there are 26 students in the class, how many boats will be needed so that all students in the class can ride in a boat?

Show your work in this space.

Number of boats needed for 26 students: _____

A1B3

The third grade class created a Number Machine that changes the number that is put in to a different number when it comes out. Complete the table with the last two Out Numbers.

IN	5	7	8	9	10
OUT	14	16	17		

Write the rule that explains how this Number Machine works:

_____

A2B3

Fill in the blanks to show the commutative property of addition.
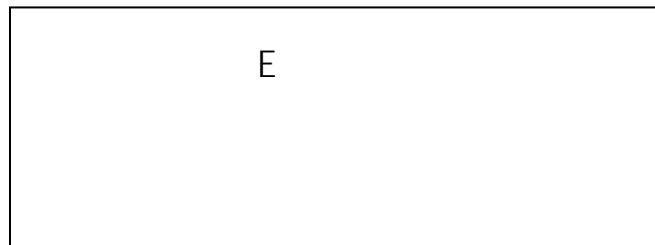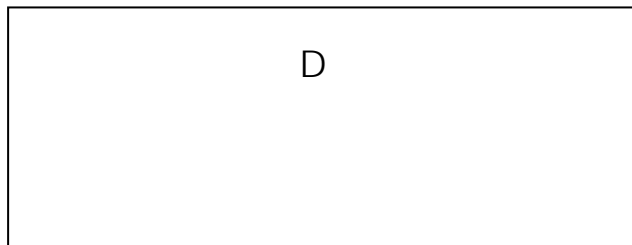
$$_____ + 8 = 8 + _____$$

Write another equation that shows the commutative property of addition:

_____

A1A3

Mrs. Jason put the following shape pattern on the board.

A   **B**   **C**

Draw the next two figures in the pattern:

D	E

Describe this pattern: